

**AGENCY OF NATURAL RESOURCES  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
1 NATIONAL LIFE DRIVE, MAIN 2  
MONTPELIER, VT 05620-3521**

**DRAFT  
INDIRECT DISCHARGE PERMIT**

File Code: WST-9-0090

Permit No.: ID-9-0090  
PIN: NS96-0179

**SECTION A - "ADMINISTRATION"**

In compliance with provisions of 10 V.S.A. §1263, and in accordance with the following conditions, the permittee:

Bear Creek Condominium Owners Association  
P.O. Box 561  
Stratton Mountain, Vermont 05155

is authorized to discharge treated domestic sewage from an existing subsurface disposal system serving the Bear Creek Inn and Condominiums in Jamaica, Vermont, to groundwater and indirectly into an unnamed tributary of the Winhall River.

**A1. Permit Summary:**

Expiration Date	September 30, 2020
Type of Waste	Domestic Sewage
Treatment System	Septic Tanks
Disposal System	Leachfields
Town	Jamaica
Drainage Basin	West River
Receiving Water	Unnamed tributary of the Winhall River
Design Capacity	17,498 gallons per day (gpd)
Drainage Area Approx.	0.59 sq. mi.
Stream Flow	Low Median Monthly Flow (LMMF) Est. 77,800 gpd
Dilution Ratio (at LMMF)	
Stream Flow: Effluent	4.4 : 1

**A2. Compliance Schedule:**

The following schedule summarizes the actions and requirements necessary for compliance with the conditions of this permit. The permittee shall complete the requirements in accordance with the dates indicated. See the designated section for specific details.

<u>Condition # &amp; Description</u>	<u>Schedule Date</u>
A3. Apply for renewal of Indirect Discharge Permit	June 30, 2020
D3(A). Have a Vermont Registered Professional Engineer complete an inspection of the sewage collection, treatment and disposal system.	Annually in April
D3(B). Submit Annual Inspection Report	Annually by July 1st
D3(C). Submit schedule for implementing engineer's recommendations	Annually by July 1st
D4. Notify Secretary of pumping of tanks and septage disposal	As specified

**A3. Expiration Date:**

This permit, unless revoked, or amended shall be valid until September 30, 2020 despite any intervening change in Water Quality Standards or the classification of receiving waters. Renewal of this Indirect Discharge Permit will be subject to all rules applicable at the time of renewal, including biological standards to determine significant alteration of aquatic biota.

The permittee shall apply for an Indirect Discharge Permit renewal by June 30, 2020. For the purposes of Title 3, an application for renewal of this indirect discharge permit will be considered timely if a complete application is received by the expiration date.

**A4. Effective Date:**

This permit becomes effective on October 1, 2015.

**A5. Revocation:**

The Secretary may revoke this permit in accordance with 10 V.S.A. §1267.

**A6. Transfer of Permit:**

This permit is not transferable without prior written approval of the Secretary. The permittee shall notify the Secretary immediately, in writing, before any sale, lease or other transfer of ownership of the property from which the permitted discharge originates. The proposed transferee shall make application for a permit to be reissued in their name. Failure to apply shall be considered a violation of this permit. Responsibility for compliance with the conditions of this permit shall be the burden of the permittee until such time as transfer of the permit to the transferee is complete. All application and operating fees must be paid in full prior to transfer of this permit. This permit shall be transferred only upon showing by the permittee or proposed transferee of compliance with the following conditions:

- a. The transferee shall be a legal entity, financially and technically competent to operate, inspect, maintain and replace the system.
- b. The transferee shall demonstrate that they have the legal authority to raise revenues for the proper operation, inspection, and maintenance of the system.
- c. The transferee shall provide a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee(s) to the Secretary.

**A7. Minor Modifications of Permits:**

The Secretary may modify this permit without requiring a permit application, a public notice, or a public hearing to correct typographical errors or increase the monitoring frequency in accordance with Condition E(1) of this permit.

**A8. Indirect Discharge Rules:**

The sewage treatment and disposal system was previously permitted under Certification of Compliance #2W0537 issued April 21, 1982.

This permit authorizes an existing indirect discharge.

This indirect discharge was reviewed and qualified for an Indirect Discharge Permit in accordance with Section 14-603 (b) of the Indirect Discharge Rules for existing indirect discharges of sewage. No increase in sewage volume is allowed without the written approval of the Secretary.

**A9. Right of the Agency to Inspect:**

The permittee shall allow the Secretary or the Secretary's authorized representative upon the presentation of their credentials and at reasonable times:

- a. To enter upon permittee's premises in which any effluent source, treatment or disposal system is located or in which any records are required to be kept under the conditions of the permit;

**A9. Right of the Agency to Inspect: (continued)**

- b. To have access to and copy any records required to be kept under conditions of this permit;
- c. To inspect any monitoring equipment or method required in this permit;
- d. To sample any discharge of waste, groundwater or surface water; and
- e. To inspect any collection, treatment, pollution management, and disposal facilities required by this permit.

**A10. Permit Availability:**

A copy of this permit shall remain at the office of the permittee and, upon request, shall be made available for inspection by the Secretary.

**A11. Minor Modifications to System:**

Minor modifications of the engineering design which do not reduce the treatment effectiveness or increase the capacity of the system may be approved in writing without a permit amendment.

Before making modifications to the treatment and/or disposal system the permittee shall submit plans to the Secretary for review and approval. These plans must be approved before any of the modifications or additions are made.

**A12. Correction of Failed Systems:**

The Secretary may, upon discretion, issue an Amendment to the Indirect Discharge Permit for the design and reconstruction of a failed wastewater disposal system where the replacement system design was not previously approved.

Before reconstruction of the failed system the permittee shall submit plans to the Secretary for review and approval. These plans must be approved before any reconstruction occurs. Due to the urgency of the need to correct failed disposal systems, the Secretary will process these Amendments as soon as possible.

**A13. Operating Fees:**

This indirect discharge is subject to operating fees. The permittee shall submit the operating fees in accordance with procedures provided by the Secretary.

## SECTION B "INDIRECT DISCHARGE"

### B1. Location of Indirect Discharge:

This existing indirect discharge is located in the West River drainage basin in the Town of Jamaica, Vermont. The indirect discharge can be located on the USGS Londonderry, VT 15' quadrangle map at Latitude N 43° 08' 42" and Longitude W 72° 50' 28".

The disposal system is located within the Wellhead Protection Area of Water Supply ID# 5563 which serves the Bear Creek Inn and Condominiums.

### B2. Nature of Indirect Discharge:

The wastewater is treated in a 15,000 gallon septic tank then passes to an effluent pump station which discharges to the disposal fields. The disposal system has an approved disposal capacity of 17,498 gallons per day and is dual alternating.

The volume of the discharge authorized by this permit is calculated as follows (from #2W0537):

<u>Source</u>	<u>Design Sewage Flow</u>
Lodge	8 units = 800 gpd
26 Condominium Units	3 bdrm/unit = 11,700 gpd
15 Condominium Units	2 bdrm/unit = 4,500 gpd
Infiltration	498 gpd
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Total	17,498 gpd

There are two other sewage treatment and disposal systems at the project site not regulated by this permit. One serves an existing chalet; the other serves a 75-seat restaurant/bar and 15 units of the lodge.

## SECTION C "SYSTEM APPROVALS"

### C1. Previous Approvals:

The sewage treatment and disposal system was previously permitted under Certificate of Compliance #2W0537.

The project was approved to be constructed in accordance with the following plans and specifications prepared by Wright Engineering:

Sheet 1 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Location Plan Upper Site" dated 1/4/82, last revised 4/19/82;

Sheet 2 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Location Plan Lower Site" dated 1/4/82, last revised 4/16/82;

**C1. Previous Approvals: (continued)**

Sheet 3 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Grading Plan Upper Site" dated 1/4/82, last revised 4/20/82;

Sheet 4 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Grading Plan Lower Site" dated 1/4/82, last revised 4/1/82;

Sheet 8 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Sewage Pumping Station" dated 12/30/81, last revised 4/20/82;

Sheet 9 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Disposal Field Plan & Sections" dated 12/30/81, last revised 4/19/82;

Sheet 10 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Sewer Profile" dated 2/24/82;

Sheet 11 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Sewer Profile" dated 2/24/82, last revised 3/31/82;

Sheet 12 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Miscellaneous Details" dated 12/31/82;

Sheet 13 of 13 entitled "Bear Creek Condominiums - Water, Sewerage and Roads - Miscellaneous Details" dated 1/4/82;

and specifications entitled "Rosewood, Inc. Water, Sewerage and Roads" dated January 1982, and which have been stamped "APPROVED" by the Division of Protection.

**SECTION D "SYSTEM OPERATION"**

**D1. General:**

The sewage treatment and disposal system shall be operated at all times in a manner that will (1) not permit the discharge of sewage onto the surface of the ground; (2) not result in the surfacing of sewage; (3) not result in the direct discharge of sewage into the waters of the State; and (4) not result in a violation of Vermont Water Quality Standards.

In accordance with accepted design practices, the effluent disposal rate to the disposal fields shall not exceed 17,498 gallons per day except as may occur on an occasional basis during normal operation.

**D2. Alternation of Fields:**

The subsurface sewage disposal fields shall be alternated annually, with the fields A-1, A-2, B-3, and B-4 alternated with fields A-3, A-4, B-1, and B-2. The alternation shall occur during the engineer's annual inspection in April.

**D3. Annual Inspection, Report and Implementation Schedule:**

**A. Annual Inspection:**

Annually during the month of April the permittee shall engage a Vermont Registered Professional engineer to make a thorough inspection, evaluation and report of the complete sewage collection, treatment and disposal system. The engineer's inspection shall include, but not be limited to the following:

1. inspecting the entire collection system, removing manhole covers to observe the condition of the sewers and manholes, and noting any signs of inflow or excess infiltration;
2. evaluation of the accumulation of solids and scum in the septic tanks and verifying the pumping of the septic tanks, if required;
3. verification of the proper operation of the lift station pumps, alarms, and controls;
4. verification of the alternation of the disposal fields;
5. walking the disposal fields, noting any signs of ponding effluent and the general condition of the surface and perimeter of the disposal fields;
6. noting any necessary repairs or maintenance that needs to be performed on the sewage collection, treatment, and disposal system.

**B. Annual Inspection Report:**

By July 1st each year, the permittee shall have a professional engineer submit an annual report including the following items:

1. a complete list of the items inspected and the results of the inspection;
2. the measured depths of sludge and scum in each septic tank; and
3. a discussion of the recommended repairs and maintenance required.

**C. Implementation Schedule:**

By July 1st each year the permittee shall notify the Secretary in writing stating how the engineer's recommendations are to be implemented, including a schedule for the required repairs and maintenance items that have not been addressed.

**D4. Septage Disposal:**

During the system's annual inspection the depth of sludge and scum shall be measured in all septic tanks. The septic tanks shall be pumped if: 1) the sludge is closer than twelve (12) inches to the outlet baffle or; 2) the scum layer is closer than three (3) inches to the septic tank outlet baffle or; 3) if otherwise recommended by the inspecting engineer. Before pumping the tanks, the permittee shall notify the Secretary in writing of the name and address of the pumper and the municipal sewage treatment facility where the septage is to be disposed or other facility approved by the Secretary.

**D5. System Operation and Maintenance:**

The sewage collection, treatment, and disposal system shall be operated and maintained at all times in a manner satisfactory to the Secretary and in a manner that will not pose a risk to the public health and safety, or cause contamination of drinking water supplies, groundwater and/or surface water.

**D6. Reporting of Failures:**

The permittee shall immediately report any failure of the sewage collection, treatment, or disposal system to the Secretary, first by telephone within 24 hours of the failure and then in writing within 5 days of the failure. The written notice shall include a discussion of the actions taken or to be taken to correct the failure.

**D7. Discharge Restrictions:**

The permittee shall not allow any person to discharge or cause to be discharged anything other than sanitary wastewater to this collection, treatment and disposal facility.

**SECTION E "MONITORING REQUIREMENTS"**

**E1. Monitoring Requirements:**

No water quality monitoring of the system is required under this permit. However, the Secretary reserves the right to require monitoring of the system in accordance with Condition A(7) should operation of the system fail to meet the requirements of Sections D(1) and D(5).



## **SECTION F "COMPLIANCE REVIEW"**

If the results of any monitoring indicate that a violation of the effluent disposal rate, or a violation of the Vermont Water Quality Standards is occurring, or is likely to occur, the Secretary may require the permittee to take appropriate corrective actions to eliminate or reduce the possibility of a violation.

The issuance of this permit, ID-9-0090, to the Bear Creek Condominium Owners Association by the Secretary relies upon the data, designs, judgment and other information supplied by the applicant, the applicant's consultants and other experts who have participated in the preparation of the application. The Secretary makes no assurance that this system will meet the performance objectives of the applicant and no warranties or guarantees are given or implied.

## **SECTION G "EFFECTIVE DATE"**

This Indirect Discharge Permit, ID-9-0090, issued to the Bear Creek Condominium Owners Association for the discharge of wastewater from the Bear Creek Inn and Condominiums in Jamaica, Vermont is effective on October 1, 2015.

Alyssa B. Schuren, Commissioner  
Department of Environmental Conservation

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Christine Thompson, Director  
Drinking Water and Groundwater Protection Division